

DRAFT

EVALUATION REPORT

**Maintenance Center
42551 Osgood Road
Fremont, CA 94539
GDF#11387
Application #11978**

BACKGROUND

Weiss Associates, on behalf of Maintenance Center (facility), submitted this application to construct and operate a new gasoline dispensing facility (GDF) at 42551 Osgood Road, Fremont, CA.

The facility will operate the following equipment: One (1) aboveground gasoline tank (1–10,000 gallon), one (1) aboveground diesel tank (1–6,000 gallon), and two (2) single product nozzles. The facility will be equipped with Phase I OPW EVR system and Phase II Healy system.

EMISSION CALCULATIONS

Emission factors are taken from the Gasoline Service Station Industrywide Risk Assessment Guidelines developed by the California Air Pollution Officers Association's (CAPCOA) Toxics Committee. Emissions of Precursor Organic Compound (POC) include emissions from loading, breathing, refueling and spillage. In accordance with the District's Risk Management Policy, this station is being conditioned to an annual gasoline throughput limit of 940,000 gal/yr.

$$\begin{aligned}\text{Emissions increase:} \quad (0.94 \text{ million gal/yr})(1.27 \text{ \#VOC/1000 gal}) &= 1,194 \text{ \#/yr} \\ &= 3.27 \text{ \#/day} \\ &= 0.60 \text{ tpy}\end{aligned}$$

$$\begin{aligned}\text{Benzene emission increase:} \quad (0.94 \text{ million gal/yr})(6.75 \text{ \#Benzene/million gal}) &= 6.35 \text{ \#Benzene/yr}\end{aligned}$$

TOXIC RISK SCREENING ANALYSIS

The toxic air contaminant of concern at this site is benzene, a carcinogen. Benzene is emitted during gasoline dispensing operations. The estimated increase in emission rate and annual emissions of benzene are less than the toxic trigger level (6.7 lb/day), therefore an Air Toxics Risk Screening is not required.

COMPLIANCE

The facility shall comply with Regulation 8-7-301 and 302 (Phase I and Phase II) and CARB Executive Orders VR-102C and G-70-191AA, and G-70-52AM.

A. Permits – General Requirements, Regulation 2, Rule 1

The facility is located within 1000 feet of the outer boundary of Grimmer Elementary School. It is therefore subject to the public notification requirements of Regulation 2-1-412. A public notice will be sent to all parents of students of the above-mentioned schools and all residents within 1000 feet of the facility. There will be a 30-day public comment period.

B. Permits – New Source Review, Regulation 2, Rule 2

1. **Best Available Control Technology (BACT), Regulation 2-2-301:** BACT is not triggered because the facility will emit less than 10 lbs of VOC per single day.
2. **Offsets, Regulation 2-2-302:** Because the total facility emissions will be less than 10 tons per year, the facility is not required to provide offsets.
3. **California Environmental Quality ACT (CEQA), Regulation 2-1-311:** This project is considered to be ministerial under Regulation 2-1-311 and therefore is not subject to CEQA review. The engineering review for this project requires only the application of standard permit conditions and standard emission factors in accordance with Permit Handbook Chapter 2.3 and therefore is not discretionary as defined by CEQA.

C. Fees – Regulation 3

All applicable fees have been paid.

RECOMMENDATION

I recommend that an Authority to Construct be issued to Maintenance Center, located at 42551 Osgood Road, Fremont, CA.

by: _____
Randoll Sze
Air Quality Permit Technician

Date: _____

*Note: Stellar Academy was no longer within 1,000 feet of the site since it has moved to a new address: 38325 Cedar Blvd, Newark, CA. It was verified with Tobias Leung @ Weiss Associates on April 25, 2005 that Grimmer Elementary School located at **43030 Newport Drive, Fremont, CA**, is within 1,000 feet of the facility. School Contact (for student mailing list); Kurt Banks, Energy Risk Management, 4210 Technology Drive, Fremont, CA 94538. Telephone: 510-659-2588.